

**PACIFIC ISLANDS REGIONAL OBSERVER PROGRAM**  
**DEEP SET - QUARTERLY STATUS REPORT**  
**October 1, 2017 – December 31, 2017**  
Pacific Islands Regional Office  
National Marine Fisheries Service  
February 7, 2018

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The Hawaii-based pelagic longline fishery targeting tunas has been monitored under a mandatory observer program since February 1994. Beginning March 1994, branch personnel have conducted daily shoreside dock rounds in Honolulu to determine which fishing vessels are in port. These dock rounds are used to obtain an estimate of fishing effort on a real-time basis by assuming that a vessel is fishing when it is absent from the harbor. This report summarizes data for vessels that declared intent for a deep set trip. This report is used to ensure prompt dissemination of Hawaii Longline Observer Data and may be revised after final data editing has been completed. The following table summarizes the percent observer coverage for vessel departures, vessels arriving with observers, protected species interactions, and set and hook unit effort for vessels arriving with observers during the fourth quarter of 2017.

|                                                                              |                  |
|------------------------------------------------------------------------------|------------------|
| <b>Vessel Departures - 4th Quarter (October 1, 2017 - December 31, 2017)</b> |                  |
| Departures .....                                                             | 401              |
| Departures with observers .....                                              | 87               |
| Observer coverage 4th quarter .....                                          | <b>21.7%</b>     |
| <br><b>Vessels Arriving with Observers - 4th Quarter</b>                     |                  |
| Departures with observers in 4th quarter .....                               | 87               |
| Observers departing in 3rd quarter arriving 4th quarter .....                | 18               |
| Observers departing in 4th quarter arriving 1st quarter 2018 .....           | 19               |
| Total vessels arriving with observers - 4th quarter .....                    | 86               |
| <br><b>Protected Species Interactions - 4th Quarter</b>                      |                  |
| Vessels arriving with observers - 4th quarter .....                          | 86               |
| Trips with turtle interactions .....                                         | 9                |
| Trips without turtle interactions .....                                      | 77               |
| Trips with marine mammal interactions .....                                  | 4                |
| Trips without marine mammal interactions .....                               | 82               |
| Trips with seabird interactions .....                                        | 9                |
| Trips without seabird interactions .....                                     | 77               |
| <br><b>Total Sea Turtle Interactions .....</b>                               | <br><b>10</b>    |
| Released dead                                                                |                  |
| Olive Ridley .....                                                           | 9                |
| Green .....                                                                  | 1                |
| <br><b>Total Marine Mammal Interactions .....</b>                            | <br><b>4</b>     |
| Released injured                                                             |                  |
| False Killer Whale .....                                                     | 2                |
| Unidentified Cetacean .....                                                  | 2                |
| <br><b>Total Seabird Interactions .....</b>                                  | <br><b>14</b>    |
| Released dead                                                                |                  |
| Black-footed Albatross .....                                                 | 12               |
| Unidentified Gull .....                                                      | 1                |
| Released injured                                                             |                  |
| Black-footed Albatross .....                                                 | 1                |
| <br><b>Total Sets</b>                                                        | <br><b>1,111</b> |
| <b>Total Hooks Set</b>                                                       | <b>2,972,854</b> |
| <b>Turtles per 1,000 Hooks</b>                                               | <b>0.003</b>     |
| <b>Seabirds per 1,000 Hooks</b>                                              | <b>0.005</b>     |
| <b>Marine Mammals per 1,000 Hooks</b>                                        | <b>0.001</b>     |

Note: The percent coverage is based on vessel departures. Protected species interactions are based on vessel arrivals. For the purpose of this report an animal that becomes hooked or entangled is an interaction.